

A LIGHT GUIDE APPARATUS, A BACKLIGHT APPARATUS AND A LIQUID CRYSTAL DISPLAY APPARATUS

ABSTRACT

A backlight apparatus (and light guide and liquid crystal display apparatus
5 incorporating the same) includes a wedge-type light guide having a refractive index n_1 , and
having a top surface, a bottom surface and a side surface, a light source for directing light to the
side surface of the wedge-type light guide, a first light transmission layer having a refractive
index n_2 , which is smaller than said refractive index n_1 , and having a top surface and a bottom
surface, wherein the top surface of the first light transmission layer is attached to the bottom
10 surface of the wedge-type light guide, and a light deflecting layer having a top surface attached
to the bottom surface of the first light transmission layer for deflecting the incident light from
the first light transmission layer toward the top surface of the wedge-type light guide.